

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

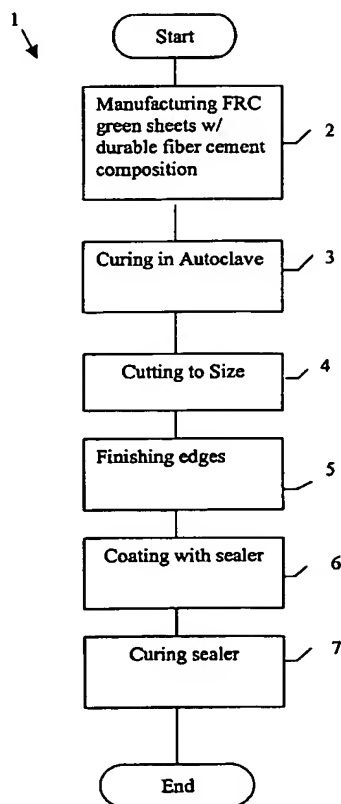
PCT

(10) International Publication Number
WO 2004/087412 A1

- (51) International Patent Classification⁷: **B32B 13/02**,
B28B 1/52, 23/02
- (21) International Application Number:
PCT/IB2004/000978
- (22) International Filing Date: 31 March 2004 (31.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003901529 31 March 2003 (31.03.2003) AU
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- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
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[Continued on next page]

(54) Title: A DURABLE HIGH PERFORMANCE FIBRE CEMENT PRODUCT AND METHOD OF MANUFACTURE



(57) Abstract: An engineered fibre reinforced cement product including a first major surface to which a carbonation reducing sealer is applied and a second generally opposing major surface to which a carbonation reducing sealer is applied, so as to reduce propensity for differential carbonation in the product. A method of manufacturing a durable fibre reinforced cement product, said method comprising steps of: (e) mixing a wet fibre reinforced cement formulation; (f) forming from said formulation a green product defining first and second generally opposing major surfaces; (g) curing the green product to form a cured product; and (h) applying a carbonation reducing sealer to said first and second major surfaces, so as to reduce propensity for differential carbonation in the product. An engineered fibre reinforced cement product including a first major surface with a reduced propensity to differential carbonation, wherein the product has a cement to silica ratio of between 0.29 and around 0.51 and a porosity of between 25% and around 45%.

WO 2004/087412 A1



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

Published:

— with international search report

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(48) Date of publication of this corrected version:

25 November 2004

(15) Information about Correction:

see PCT Gazette No. 48/2004 of 25 November 2004, Section II

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

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